



PAT6 Rec'd PCT/PTO 25 JAN 2007

PATENT
Attorney Docket No.: 46884-5470

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Hiroshi AKAHORI et al.) Confirmation No.: 4196
U.S. Application No.: 10/574,600)
Filed: April 5, 2006) Group Art Unit: Unassigned
For: ENERGY RAY DETECTING ELEMENT) Examiner: Unassigned

MAIL STOP PCT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS
UNDER 35 U.S.C. § 371 IN THE U.S. DESIGNATED/ELECTED OFFICE (DO/EO/US)

1. This replies to the Notification of Missing Requirements (Form PCT/DO/EO/905) mailed November 28, 2006.

A copy of the Notification of Missing Requirements (Form PTC/DO/EO/905) is enclosed.

2. Declaration Or Oath

- No declaration or oath was filed. Enclosed is the original Combined Declaration and Power of Attorney.
- The specification attached to the declaration is a copy of the specification and any amendments thereto which were filed in the PTO to obtain the filing date.
- The declaration or oath which was filed was determined to be defective. A new original Combined Declaration and Power of Attorney is attached.

3. English Translation of Non-English Language Papers

- Submitted herewith is a verified English translation of the non-English language application papers as originally filed. It is requested that this translation be used as the copy for examination purposes in the PTO.
- Also enclosed is the Verification of Translation Document

4. Small Entity Statement(s)

- Applicant(s) hereby assert small entity status.

5. Fee Calculation

Basic National Stage Fee: \$300.00				Previously Paid
	Number Filed	Number Extra	at a Rate of	
Total Claims	4 - 20 =	0	\$50.00 each=	\$0.00
Independent Claims	2 - 3 =	0	\$200.00 each=	\$0.00
Multiple dependent claim(s), if any			\$360.00	\$0.00
Missing Requirements Surcharge Fee			\$130.00	\$130.00
Application Size Fee \$250.00 for each additional 50 sheets that exceeds 100				\$0.00
Application Search Fee			\$400.00	Previously Paid
Examination Fee			\$200.00	Previously Paid
			SUB-TOTAL	\$130.00
Fee For Application Filed With A Non-English Specification (37 C.F.R. § 1.17(k) and § 1.52(d))			\$130.00	\$0.00
Fee For Processing and retention of application (37 C.F.R. § 1.21(l) and § 1.53(d))			\$130.00	\$0.00
			TOTAL FILING FEE	\$130.00

6. Extension of Time

The proceedings herein are for a patent application and the provisions of 37 C.F.R. § 1.136(a) apply.

- Applicants petition for an extension of time, the fees for which are set out in 37 C.F.R. §§ 1.17(a)-(d), for the total number of months checked below:

<u>Total Months Requested</u>	<u>Extension Fee</u>	<u>Extension Fee [Small Entity]</u>
<input type="checkbox"/> One month	\$120.00	\$60.00
<input type="checkbox"/> Two months	\$450.00	\$225.00
<input type="checkbox"/> Three months	\$1,020.00	\$510.00
<input type="checkbox"/> Four months	\$1,590.00	\$795.00
<input type="checkbox"/> Five months	\$2,160.00	\$1,080.00

Extension of time fee due with this request: \$_____

If an additional extension of time is required, please consider this a Petition therefor.

- Applicant believes that no extension of time is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition and fee for extension of time.

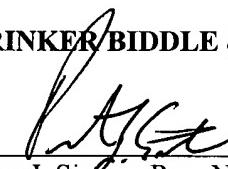
7. Fee Payment

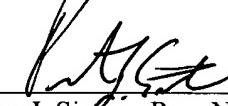
The total fee due is: Completion Fees \$130.00
 Assignment Fees \$40.00
 Total Fee Due \$170.00

- A check in the amount of \$170.00 to cover the above fees is enclosed

- The Commissioner is hereby authorized to charge the total fee due to Deposit Account 50-0573.
- Except** for issue fees payable under 37 C.F.R. §1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this application including fees due under 37 C.F.R. §1.16 and §1.17 which may be required, or credit any overpayment to Deposit Account No. 50-0573.
8. Additional papers enclosed.
- PCT/IB/373
 PCT/ISA/237
 PCT/IB/338 English translation of the International Preliminary Examination Report
 PCT/ISA/210 (International Search Report dated November 30, 2004)
 Information Disclosure Statement
 Form PTO-1449, 4 non-US patent documents as listed
 Assignment Recordation Cover Sheet (PTO Form-1595)
 Assignment of the invention to HAMAMATSU PHOTONICS K.K.

Respectfully submitted,


DRINKER BIDDLE & REATH LLP


Peter J. Sizare, Reg. No. 48,183

Date: January 25, 2007
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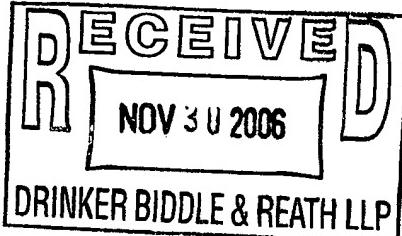
UNITED STATES PATENT AND TRADEMARK OFFICE

ELEEN BYRNE
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UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/574,600	Hiroshi Akahori	468845470

055694
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WASHINGTON, DC 20005-1209



INTERNATIONAL APPLICATION NO.

PCT/JP04/14386

I.A. FILING DATE	PRIORITY DATE
09/30/2004	10/07/2003

CONFIRMATION NO. 4196

371 FORMALITIES LETTER



OC000000021367885

Date Mailed: 11/28/2006

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 04/05/2006
- English Translation of the IA filed on 04/05/2006
- Copy of the International Search Report filed on 04/05/2006
- Preliminary Amendments filed on 04/05/2006
- Information Disclosure Statements filed on 04/05/2006
- U.S. Basic National Fees filed on 04/05/2006
- Priority Documents filed on 04/05/2006

Docketed 11/30/06 JGS/RAF
 Case 46884-5170
 Due Date 11/28/07
 Action MISS REQUIREMENTS
 By KJT Chk _____

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fees required for this application is \$130 for a Large Entity:

- \$130 Surcharge.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.
<https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at **1-866-217-9197** or visit our website at <http://www.uspto.gov/ebc>.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

SHELBY J VIGIL

Telephone: (703) 308-9140 EXT 224

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/574,600	PCT/JP04/14386	468845470

FORM PCT/DO/EO/905 (371 Formalities Notice)